

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/002764

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 B01D15/08 B01J20/32 C07K1/22 G01N30/02 C08F8/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 B01D B01J C07K G01N C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data, PAJ, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 962 641 A (KAIN STEVEN R ET AL) 5 October 1999 (1999-10-05) cited in the application Abstract; examples -----	1-19,25, 26
X	WO 97/08287 A (DOW CHEMICAL CO) 6 March 1997 (1997-03-06) Abstract; compounds at p. 6, 1.3-4; 19-20; 33-34, p. 7, 1. 3-4; example 3; claims 11 and 19. -----	20,21,23
A	KORMAN AND CLARKE: "Carboxymethylamino acids and peptides" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 221, 1956, pages 113-131, XP002294773 Abstract; Table 2-4; p. 121 "Mono-CM-Aspartic acid". -----	1-19,25, 26
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

4 January 2005

Date of mailing of the International search report

30.03.05

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ABUDIAB T ET AL: "Preparation of magnetic immobilized metal affinity separation media and its use in the isolation of proteins" JOURNAL OF CHROMATOGRAPHY A, ELSEVIER SCIENCE, NL, vol. 795, no. 2, 6 February 1998 (1998-02-06), pages 211-217, XP004460472 ISSN: 0021-9673 Abstract; Fig. 1; p. 212, col. 1, 1. 2nd full paragraph. -----	1-19,25, 26
A	US 2001/014466 A1 (EMMERLICH MELANIE ET AL) 16 August 2001 (2001-08-16) Abstract; Fig. 1; paragraphs '003! and '004! -----	1-19,25, 26

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**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:  
**1-19, 25 and 26 (invention 1) and 20, 21, and 23 (invention 2)**
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5962641	A	05-10-1999	AT DE DE DK EP ES JP WO US US	238341 T 69721289 D1 69721289 T2 935606 T3 0935606 A1 2195168 T3 2001506968 T 9806739 A1 2002143158 A1 6242581 B1		15-05-2003 28-05-2003 29-01-2004 11-08-2003 18-08-1999 01-12-2003 29-05-2001 19-02-1998 03-10-2002 05-06-2001
WO 9708287	A	06-03-1997	BR CA EP WO	9610165 A 2230275 A1 0871695 A2 9708287 A2		04-08-1998 06-03-1997 21-10-1998 06-03-1997
US 2001014466	A1	16-08-2001	EP US	1069131 A1 2004171077 A1		17-01-2001 02-09-2004

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